

ITEM: 19

SUBJECT: Uncontested Waste Discharge Requirements

REPORT: Following are the proposed waste discharge requirements that prohibit discharge to surface waters. All agencies and the dischargers concur or have offered no comments. Items indicated as updates on the summary agenda make the requirements consistent with current plans and policies of the Board.

a. **CHILDREN'S HOSPITAL CENTRAL CALIFORNIA,
WASTEWATER TREATMENT FACILITY, Madera County**

Children's Hospital Central California owns and operates a Wastewater Treatment Facility (WWTF) that serves its hospital in Madera County. Waste Discharge Requirements Order No. 95-244 (WDRs) regulates the WWTF and its discharge of up to 80,000 gallons per day of disinfected secondary effluent to 100 seepage pits (disposal area). The WDRs prescribe an effluent limitation for electrical conductivity at 25°C (EC) of source water EC plus 500 µmhos/cm. The Discharger has chronically exceeded this effluent EC limit. Groundwater affected by the discharge contains concentrations of nitrate and trihalomethanes in excess of applicable water quality limitations. The Discharger voluntarily performed a comprehensive salinity source control study and implemented salinity reduction measures that reflect best efforts for this discharge. The Discharger plans to discontinue chlorination to eliminate the production of trihalomethanes in the discharge and to implement nitrogen reduction and ultraviolet disinfection. The Discharger requested the effluent EC limit be revised to not exceed 900 µmhos/cm to reflect the Discharger's implementation of best salinity reduction measures. The Special Order revises the WDRs to prescribe effluent limitations of 10 mg/L for nitrogen and 900 µmhos/cm for EC, and discontinue specifications related to the use of chlorine as a disinfectant. (AMS)

b. **VALLEY SPRINGS PUBLIC UTILITY DISTRICT, VALLEY
SPRINGS WASTEWATER TREATMENT PLANT,
Calaveras County**

Valley Springs Public Utility District owns, operates, maintains, and monitors a sanitary sewer system and wastewater treatment plant (WWTP) which treats domestic wastewater generated from Valley Springs. The wastewater system consists of the headworks, activated sludge unit, two aeration ponds, a polishing pond, and 92 acre-foot clay lined effluent storage reservoir. Wastewater disposal occurs on approximately 22 acres of land. The WWTP currently has adequate hydraulic capacity to treat, store, and dispose of a monthly average dry weather flow of 71,000 gpd, which is the average dry weather flow that

entered the WWTP in the months of May through September 2004. The Discharger plans to expand its spray disposal fields from 22 to 33 acres. Once the sprayfield expansion has been completed, the WWTP will have adequate hydraulic capacity to treat, store, and dispose of a monthly average dry weather flow of 78,500 gpd. This Order limits the Discharger to a monthly average dry weather flow of 71,000 gpd, until the spray disposal fields are expanded. Once expanded the permitted flow limit will be 78,500 gpd. This Order requires the Discharger to conduct and submit a Feasibility Study Report that describes and analyzes potential options to increase the WWTP storage and/or disposal capacity to allow future flows above 78,500 gpd. Surface water drainage is to Cosgrove Creek, a tributary to the Calaveras River below New Hogan Dam. (JSK)

c. **COUNTY OF FRESNO, FOR CONSTRUCTION AND OPERATION, AMERICAN AVENUE MUNICIPAL SOLID WASTE LANDFILL, Fresno County**

The County of Fresno (hereafter Discharger) owns and operates a municipal solid waste landfill approximately five miles southwest of the City of Kerman. The 440-acre waste management facility consists of an unlined waste management unit covering 30 acres (Phase I) and a 160-acre composite-lined waste management unit (Phase II). The Discharger proposes to expand the waste management facility by constructing Phase III (250 acres) upon completion of Phase II. The Discharger also proposes to clean-close the existing inactive unlined waste management unit (Phase I) by excavating and sorting solid waste from soils within the unlined cell, as a means of mitigating known landfill releases and to provide additional soil needs for landfill operations. Excavation of the unlined unit will continue until the entire unlined waste cell is removed. The Discharger then proposes to construct a composite liner system in the place of the former unlined waste management unit once the unlined unit has been clean-closed, which will be contiguous with existing Phase II and proposed Phase III. The Discharger has submitted a demonstration that construction of a single-composite engineered alternative liner system will meet the performance standard for a Class III landfill contained in §20310 of Title 27. Therefore, this Order permits the construction of a single-composite liner system. The Discharger proposes to accept treated wood waste at the American Avenue Landfill. The Discharger has indicated that all treated wood waste accepted at the American Avenue Landfill will be handled and disposed of in accordance with the appurtenant provisions outlined in Sections 25143.1.5, 25150.7, and 25150.8 of the Health and Safety Code. The American Avenue Landfill appears to meet the necessary requirements imposed pursuant to the Porter-Cologne Water Quality Control Act. This order allows the disposal of treated wood waste in accordance with the conditions imposed pursuant to the Health and Safety Code. (DEE)

d. **SHASTA COUNTY, WEST CENTRAL CLASS III MUNICIPAL SOLID WASTE LANDFILL AND CLASS II SURFACE IMPOUNDMENT, Shasta County**

Shasta County owns a Class III Municipal Solid Waste Landfill and Class II Surface Impoundment that serves the communities surrounding Redding. The facility started operation in 1981. In response to nearing capacity of existing waste management units (WMU), Units 1 and 2, Shasta County is planning to construct an additional WMU, Unit 3. A liner performance evaluation, demonstrating that the proposed liner design for Unit 3 will meet the performance standard outlined in Title 27, has been submitted. The facility is currently regulated by Waste Discharge Requirements (WDRs) Order No. R5-20023-003779. The existing WDRs are being revised to reflect the liner performance demonstration and evaluation monitoring program. The existing WDRs are being re-opened and revised to specifically address the Discharger's proposal to accept treated wood waste at the landfill. The facility meets all Title 27 requirements, is well operated and fully complies with their WDRs. (KB)

e. **TEICHERT AGGREGATES MARYSVILLE, READY MIX CONCRETE FACILITY, Yuba County (Waiver)**

Teichert Aggregates owns and proposes to operate the new Teichert Ready Mix concrete batch plant, which is under construction at the Teichert Marysville aggregate facility in Yuba County. The concrete trucks will be washed on a lined concrete pad prior to leaving the facility. Process wastewater will be temporarily stored in two lined concrete sumps and a 10,000-gallon above ground storage tank prior to reuse as concrete make up water and for filling truck wash tanks. The concrete wash pad and sumps will be underlain by a leak detection system. Analytical data shows that concrete washwater is typically classified as "designated waste"; however, the proposed method of discharge exempts it from Title 27 under Section 20090(i). Staff have prepared tentative General Waste Discharge Requirements (WDRs) for the discharge of concrete wastewater that is exempt from Title 27 under Section 20090(i). This tentative Order is currently undergoing public review. This Waiver Resolution contains the same requirements as the tentative General WDRs, and is intended to allow this particular Discharger to begin operation prior to adoption of the General WDRs. This waiver will be rescinded upon signature of a Notice of Applicability by the Executive Officer for coverage under General WDRs. Surface water drainage from the facility is to unnamed tributaries and the Yuba River. (JRM)

f. **COUNTY OF PLACER DEPARTMENT OF FACILITY SERVICES, FORESTHILL LANDFILL, CLASS III LANDFILL, POST-CLOSURE MAINTENANCE AND MONITORING, Placer County**

The Foresthill Landfill is a closed, unlined landfill approximately two miles southwest of Foresthill. The 4-acre landfill operated from 1966 to 1983 accepting primarily household waste, construction debris, and green waste. The facility stopped accepting wastes in 1983 and was closed in 1984 with a soil cover. A new soil cover was installed in 1996 after erosion damaged the original cover. No groundwater impacts have been detected at the site to date. These updated WDRs prescribe requirements for post-closure maintenance and monitoring of the landfill. The monitoring and reporting program requires semiannual groundwater monitoring for specified parameters and minerals, monitoring every two years for volatile organic compounds, and monitoring every five years for all landfill constituents of concern. Surface drainage in the area is to Pond Creek that flows into the Middle Fork of the American River. (JDM)

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____
 Legal Review _____

29 April 2005 Regular Board Meeting
 Central Valley Regional Water Quality Control Board
 11020 Sun Center Drive, #200
 Rancho Cordova, CA 95670